Amendments to the Specification:

Please amend paragraph [0079] as follows:

A flowchart of a generalized embodiment of a scheduler method 600 is depicted in FIG. 6. Method 600 may be used for the basic scenario described above, scenarios in which more advanced knowledge of data classes is available, or any combination thereof. FIG. 7 further details an option of block 640, suitable for use when class type is not known. FIG. 8 further details an option of block ~~64~~640, suitable when class type is known. FIG. 8 also illustrates other aspects of the present invention.